

Vu-Graph Index



1. Process Overview
2. Materials and Code Basics - Handy Materials Reference
3. Desalters and Their Preheaters
4. Caustic Cracking and Corrosion
5. Hot H₂S Corrosion (Sulfidation)
6. Naphthenic Acid Corrosion
7. Corrosion by HCl
8. Corrosion by Ammonium Chloride
9. Ammonia SCC
10. Corrosion by Amine Hydrochloride
11. Chloride Stress Corrosion Cracking
12. Crude Unit Overhead Corrosion Control
13. Embrittlement Mechanisms
14. Brittle Fracture
15. Creep
16. Wet H₂S Cracking
17. Polythionic Acid SCC
18. SCC Class Exercise
19. Graphitization
20. Spec Breaks
21. Corrosion at Injection Points
22. Summary - Materials Degradation in Crude Units
23. Corrosion Under Insulation
24. Process Variables
25. Corrosion Monitoring Guidelines
26. Oxidation

Materials and Equipment Technology Unit

© 2011 Chevron U.S.A. Inc. Senior Analyst and Inspector Training • Crude Units

Confidential
Copyright © 2011 by
Chevron Energy Technology Company
To be reproduced and used only in accordance with
written permission of ETC

CUSA-CSB-0020383

EPA